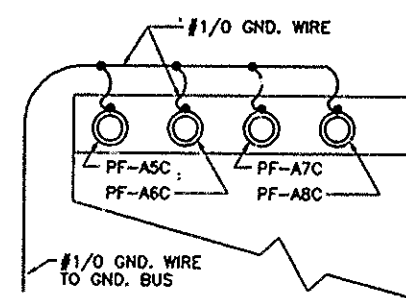
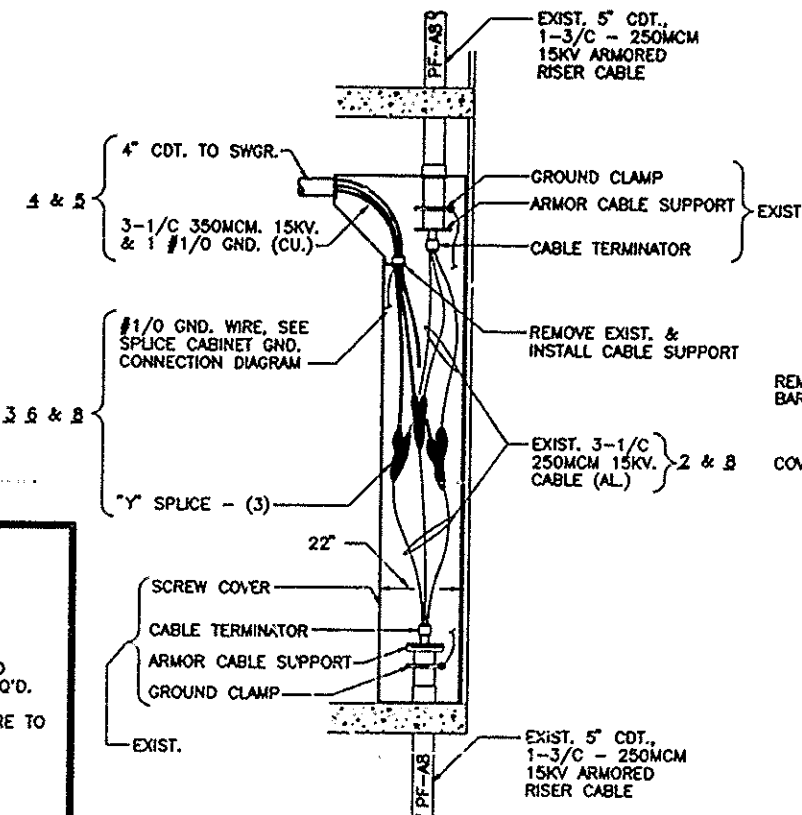


SPICE CABINET GROUND CONNECTION DIAGRAM
TYPICAL FOR STEP 3 & 6
NOT TO SCALE



STEPS REQUIRED FOR 15KV FEEDER INSTALLATION

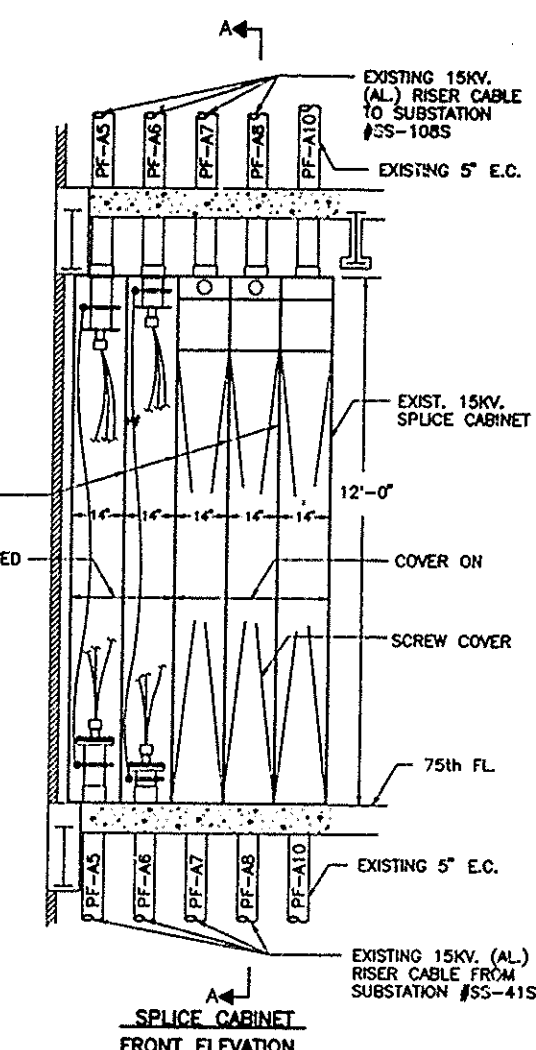
1. - DE-ENERGIZE FEEDER.
2. - REMOVE EXIST. ARCPROOFING.
3. - BREAK EXIST. SPLICES (3) AND DISCONNECT GND. WIRE AS REQ'D.
4. - REMOVE EXIST. CONDUIT & WIRE TO 1500KVA TRANSF. SWITCH.
5. - INSTALL CONDUIT & WIRE TO 2000KVA TRANSF. BKR. HV-B.
6. - RE-MAKE SPLICES (3) AND CONNECT GND WIRING AS SHOWN. (REMOVE BARRIER IF REQ'D.)
7. - MAKE CONNECTIONS AT 2000KVA TRANSF. BKR. HV-B.
8. - INSTALL ARCPROOFING.
9. - TEST FEEDER AND RE-ENERGIZE.



SECTION A-A

NOTE: PF-A5, A6, & A7 ARE TYPICAL

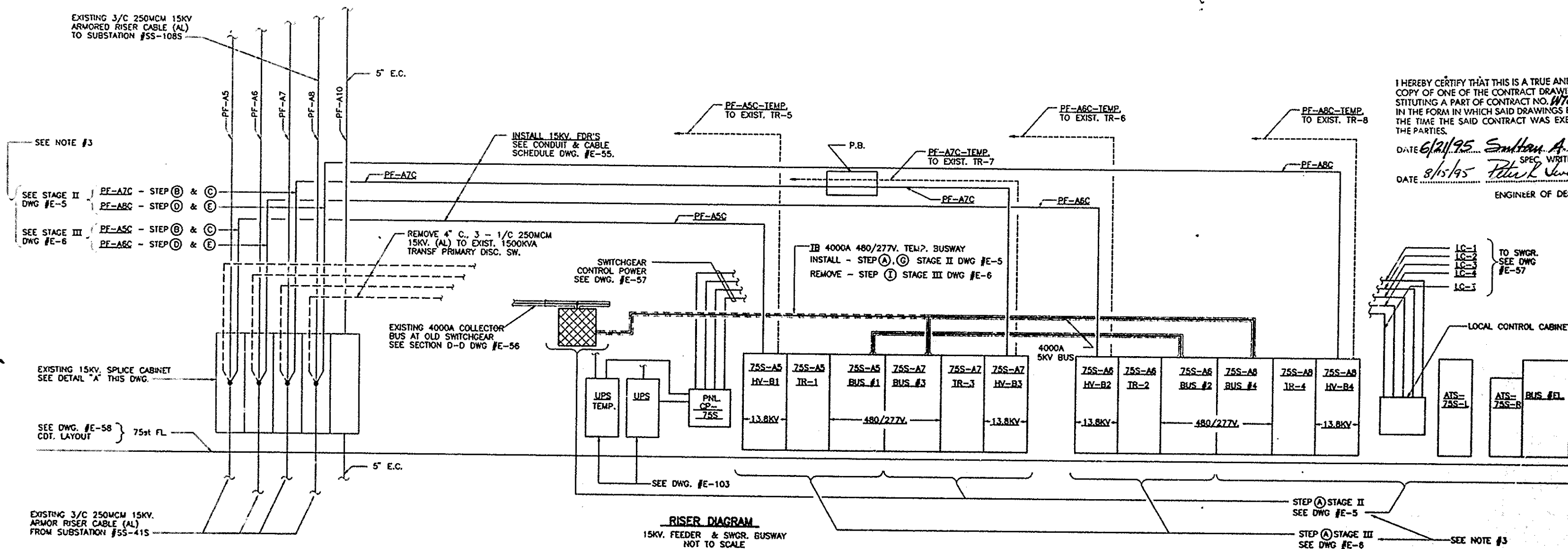
DETAIL "A"
15KV. SPICE CABINET
SCALE IN FEET
0 1 2 3 4 5



SPICE CABINET FRONT ELEVATION

NOTES

1. - FOR LEGEND SEE DWG. E-1, FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DWG. E-2.
2. - FOR CONSTRUCTION STAGING SEE DWG. #CS-1.
3. - FOR WORK PERFORMED ON SUBSTATION SS-75S IN STAGE II & III SEE THE FOLLOWING DRAWINGS:
 - * STAGE II ONLY
DWG #E-5 - TYPICAL SUBSTATION
DWG #E-60 - LOAD TRANSFER
 - * STAGE III ONLY
DWG #E-6 - TYPICAL SUBSTATION
DWG #E-60 & 61 - LOAD TRANSFER
 - * COMBINED STAGE II & III
DWG #E-53 (THIS DWG) SWGR. EQUIP.
DWG #E-54 - 480V ONE LINE DIAGRAM
DWG #E-55 - CDT. & CABLE SCHED.
DWG #E-56 - SWGR. EQUIP. PLAN
DWG #E-57 - 75th FL. CTRL. CDT.
DWG #E-58 - 75th FL. CDT. LAYOUT
DWG #E-59 - 76th FL. CDT. LAYOUT



RISER DIAGRAM

15KV. FEEDER & SWGR. BUSWAY
NOT TO SCALE

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.
DATE 6/21/95 *Samir A. Aslam* SPEC. WRITER
DATE 8/15/95 *Peter K. Weir* ENGINEER OF DESIGN

Engineering Department
Design Division

The World Trade Center
Electrical/HVAC
Upgrade Program

Title
TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

ELECTRICAL
SUBSTATION SS-75S
STAGE II AND III
SWITCHGEAR EQUIPMENT
RISER DIAGRAM

No. Date Revision. Approved

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

LEAHY/
FISCHER
Designed by
LEAHY
Drawn by
A.S.
Checked by

Date 5-1-95 Scale AS NOTED

Contract Number
WTC 802.071
Drawing Number
E-53